Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/18/2021 08:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124654	-1	1.33	124556	1.30
Blue	F	SSC	125000	122865	-2	2.46	123142	2.30
Blue	E	FITC	13131	12808	-3	2.48	294	15.83
Blue	D	PE	24112	23533	-3	1.88	541	10.95
Blue	B	PerCP-Cy5-5	31295	30420	-3	3.24	1008	14.70
Blue	A	PE-Cy7	19939	19394	-3	5.40	515	29.16
Red	C	APC	42122	41162	-3	2.93	1727	11.30
Red	A	APC-Cy7	22340	21612	-4	3.55	809	11.49
Violet	B	V450	7410	7004	-6	3.54	430	12.17
Violet	A	V500	28118	26994	-4	3.16	674	9.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22926	1.50	570	1	N/A	N/A	Pass
Blue	F	SSC	57241	1.15	520	8	N/A	N/A	Pass
Blue	E	FITC	55	53.22	488	1	0.0393	80	Pass
Blue	D	PE	114	37.07	490	2	0.3830	282	Pass
Blue	B	PerCP-Cy5-5	188	35.94	586	0	0.0194	60	Pass
Blue	A	PE-Cy7	102	70.01	628	0	0.0225	9	Pass
Red	C	APC	399	23.27	576	0	0.0280	125	Pass
Red	A	APC-Cy7	180	27.23	550	-1	0.0067	1151	Pass
Violet	B	V450	60	61.58	464	11	0.0659	2324	Pass
Violet	A	V500	97	33.89	476	11	0.0283	944	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.67	-31.27	0.93
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.87	13.60 - 20.40	N/A	N/A	29.65	29.94	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15475

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments